

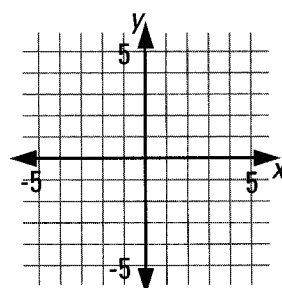
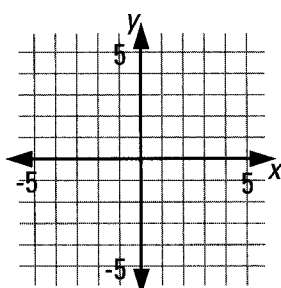
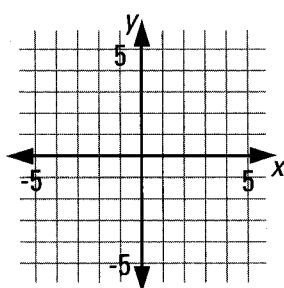
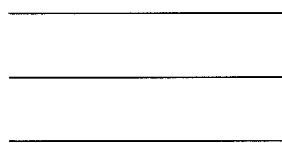
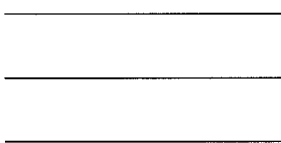
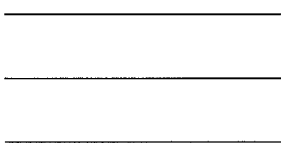
**LESSON
MASTER****5-1
B****Questions on SPUR Objectives****Representations** Objective H: Graph horizontal and vertical lines.

In 1–3, an equation is given. a. Give the coordinates of three points that satisfy the equation. b. Graph the equation.

1. $x = -2$

2. $y = 1$

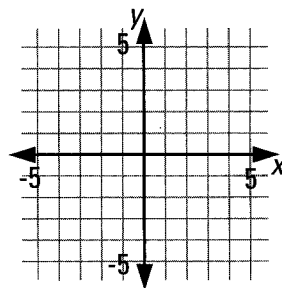
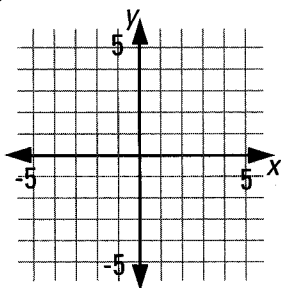
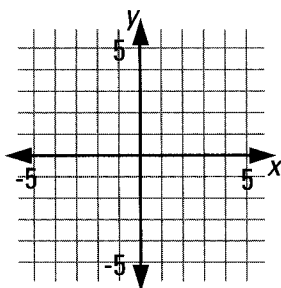
3. $y = -3.5$

In 4–6, graph the given line and the point $(-1, 4)$. Tell where $(-1, 4)$ lies in relation to the line: *on*, *above*, *below*, *to the left*, or *to the right*.

4. $y = 4$

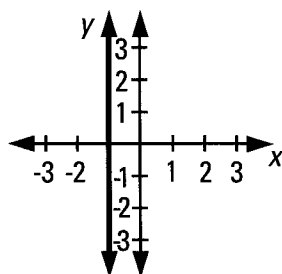
5. $y = 0$

6. $x = 4$

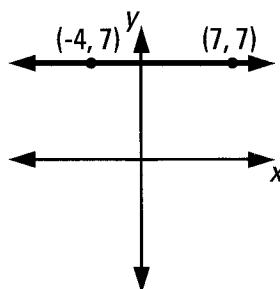


In 7–11, give an equation for the line shown or described.

7.



8.

9. the horizontal line through $(-6, 8)$

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10. the vertical line through (0, 4) _____

11. the line through (3, 3), (3, -4.1) and (3, 0) _____

Representations Objective I: Use graphs to solve problems involving linear equations.

12. Tommy owes his parents \$140. He gave them \$36 and promised to pay back another \$8 each week.

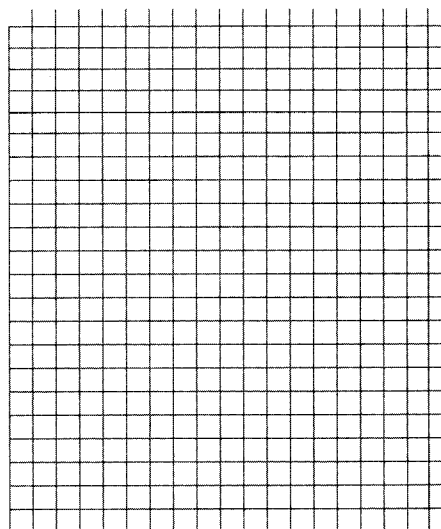
a. On a coordinate grid, graph $y = 140$ to represent the total amount Tommy owes his parents.

b. Write an equation to describe the amount y he has paid back after x weeks.

c. Graph your equation from Part b on the same coordinate grid as Part a.

d. Use the graph to estimate when Tommy's debt will be paid.

e. Check your answer to Part d by solving an equation. _____



13. Tonya purchased a sofa priced at \$600 and made a deposit of \$300. She agreed to pay off the balance with monthly payments of \$50.

a. On a coordinate grid, graph $y = 600$ to represent the total cost of the sofa.

b. Write an equation to describe the amount y she has paid after x months.

c. Graph your equation from Part b on the same grid as Part a.

d. Use the graph to tell when Tonya will have completed her payments.

e. Check your answer to Part d by solving an equation. _____

